

Charge to Working Groups

- Identify goals
- List major issues
- Action items
- Time line

Mixing and Parameterizations

- Chair, Schmitt
- Members
 - Frank Bryan
 - Eric D'Asaro
 - Tom Farrar
 - Zhijin Li
 - Lou St. Laurent
 - JJ Park
 - Luc Rainville
 - Andrey Shcherbina
 - Brian Ward

Mixing and Parameterizations

- Goal: Improve representation of subgrid scale processes in models, understand dissipation of spice
- Issues: diapycnal mixing in thermocline and mixed layer, lateral mixing at surface, isopycnal mixing, “spice” dissipation
- Actions: Pre-field: Begin dialogue with modelers, focus some measurements at fronts; Post-field: Which parameterizations best represent the observed dissipations and dispersions?
- Time line: Begin mixing forum in March, evaluate models post cruise (November)

Surface Flux Group

- Goal: Identify “best” climatologies for fluxes for forcing models informing obs.
- Issues: Climatologies differ in input data, formulae. ASCAT and SSM/I winds seem best. Precipitation still a problem. OAFlux is 3 month delay (must use NCEP GFS for real time). Radiation products (African dust). Are ship flux measurements worthwhile?
- Actions: OAFlux available for analysis and model forcing; NCEP GFS for real-time, to be validated with PIRATA Mooring data will enable validation at SPURs site, PIRATA enhancements to be maintained(?)
- Time line: Convey needs to Lisan at any time
Validation begins with mooring deployment